

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX120925\
 Data File : VX048792.D
 Acq On : 09 Dec 2025 17:52
 Operator : JC/MD
 Sample : VX1209WBSD02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1209WBSD02

Manual Integrations
 APPROVED

Reviewed By : John Carlone 12/10/2025
 Supervised By : Mahesh Dadoda 12/10/2025

Quant Time: Dec 10 00:29:23 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X120425W.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 05 03:27:34 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	5.537	168	174391	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.744	114	315560	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.036	117	302690	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	152501	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.940	65	122480	52.327	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	104.660%
35) Dibromofluoromethane	5.373	113	100631	46.315	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	92.620%
50) Toluene-d8	8.634	98	345051	45.305	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	90.620%#
62) 4-Bromofluorobenzene	11.061	95	136336	51.912	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	103.820%
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.172	85	28464	16.019	ug/l	96
3) Chloromethane	1.300	50	32019	14.280	ug/l	100
4) Vinyl Chloride	1.379	62	32075	13.432	ug/l	99
5) Bromomethane	1.617	94	23238	15.747	ug/l	98
6) Chloroethane	1.696	64	19338	13.012	ug/l	98
7) Trichlorofluoromethane	1.898	101	45285	13.232	ug/l	94
8) Diethyl Ether	2.135	74	19684	14.410	ug/l	98
9) 1,1,2-Trichlorotrifluo...	2.337	101	26048	13.128	ug/l	98
10) Methyl Iodide	2.459	142	39504	13.985	ug/l	98
11) Tert butyl alcohol	2.934	59	32701	86.534	ug/l	100
12) 1,1-Dichloroethene	2.324	96	27321	13.492	ug/l	96
13) Acrolein	2.233	56	33153	116.440	ug/l	97
14) Allyl chloride	2.666	41	51315	15.093	ug/l	99
15) Acrylonitrile	3.056	53	94447	80.209	ug/l	98
16) Acetone	2.373	43	73122	81.605	ug/l	97
17) Carbon Disulfide	2.520	76	76808	13.061	ug/l	100
18) Methyl Acetate	2.702	43	41575	16.491	ug/l	100
19) Methyl tert-butyl Ether	3.105	73	103731	15.740	ug/l	100
20) Methylene Chloride	2.788	84	34237	15.286	ug/l	95
21) trans-1,2-Dichloroethene	3.093	96	29661	14.351	ug/l	95
22) Diisopropyl ether	3.751	45	107494	16.917	ug/l	97
23) Vinyl Acetate	3.714	43	462878	86.697	ug/l	96
24) 1,1-Dichloroethane	3.605	63	57258	16.159	ug/l	97
25) 2-Butanone	4.537	43	124559	94.186	ug/l	91
26) 2,2-Dichloropropane	4.464	77	44771	14.280	ug/l	99
27) cis-1,2-Dichloroethene	4.483	96	37138	15.924	ug/l	97
28) Bromochloromethane	4.885	49	26745	15.400	ug/l	88
29) Tetrahydrofuran	4.989	42	87101	86.254	ug/l	94
30) Chloroform	5.080	83	58321	15.361	ug/l	94
31) Cyclohexane	5.458	56	43691	13.811	ug/l	99
32) 1,1,1-Trichloroethane	5.373	97	49568	14.571	ug/l	96
36) 1,1-Dichloropropene	5.690	75	36780	12.359	ug/l	100
37) Ethyl Acetate	4.696	43	54898	15.439	ug/l	98
38) Carbon Tetrachloride	5.665	117	42808	12.700	ug/l	98
39) Methylcyclohexane	7.366	83	41794	11.877	ug/l	99
40) Benzene	6.025	78	125140	14.185	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.903	41	24697	15.265	ug/l	98
42) 1,2-Dichloroethane	6.074	62	44129	14.133	ug/l	99
43) Isopropyl Acetate	6.324	43	80649	14.978	ug/l	98
44) Trichloroethene	7.110	130	31564	13.712	ug/l	97
45) 1,2-Dichloropropane	7.415	63	31600	14.331	ug/l	97
46) Dibromomethane	7.567	93	24248	14.501	ug/l	97
47) Bromodichloromethane	7.805	83	48611	13.944	ug/l	98
48) Methyl methacrylate	7.677	41	38593	14.248	ug/l	97
49) 1,4-Dioxane	7.647	88	11832	317.627	ug/l	97
51) 4-Methyl-2-Pentanone	8.555	43	264155	79.038	ug/l	98
52) Toluene	8.701	92	77269	14.525	ug/l	99
53) t-1,3-Dichloropropene	8.963	75	47922	14.449	ug/l	99
54) cis-1,3-Dichloropropene	8.354	75	52383	14.696	ug/l	93
55) 1,1,2-Trichloroethane	9.134	97	32070	14.983	ug/l	99
56) Ethyl methacrylate	9.104	69	50867	15.183	ug/l	98
57) 1,3-Dichloropropane	9.293	76	53746	15.101	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.226	63	108467	59.901	ug/l	97
59) 2-Hexanone	9.415	43	194068	82.720	ug/l	99
60) Dibromochloromethane	9.506	129	38281	14.464	ug/l	99
61) 1,2-Dibromoethane	9.591	107	33972	14.665	ug/l	98
64) Tetrachloroethene	9.256	164	26013	11.790	ug/l	99
65) Chlorobenzene	10.061	112	85201	12.859	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.146	131	30316	12.793	ug/l	98
67) Ethyl Benzene	10.177	91	143262	13.251	ug/l	96
68) m/p-Xylenes	10.286	106	107473	25.519	ug/l	100
69) o-Xylene	10.622	106	53856	13.647	ug/l	96
70) Styrene	10.640	104	91500	13.506	ug/l	100
71) Bromoform	10.780	173	26295	12.429	ug/l #	99
73) Isopropylbenzene	10.945	105	131733	12.818	ug/l	99
74) N-amyl acetate	10.823	43	67141	15.036	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.195	83	47231	13.621	ug/l	99
76) 1,2,3-Trichloropropane	11.219	75	42213m	14.862	ug/l	
77) Bromobenzene	11.183	156	35644	12.995	ug/l	99
78) n-propylbenzene	11.286	91	149984	12.601	ug/l	98
79) 2-Chlorotoluene	11.347	91	94167	12.974	ug/l	99
80) 1,3,5-Trimethylbenzene	11.433	105	107830	12.765	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.000	75	15039	12.577	ug/l	90
82) 4-Chlorotoluene	11.439	91	111984	13.222	ug/l	99
83) tert-Butylbenzene	11.695	119	109247	12.447	ug/l	98
84) 1,2,4-Trimethylbenzene	11.731	105	110013	12.911	ug/l	100
85) sec-Butylbenzene	11.872	105	130385	12.257	ug/l	98
86) p-Isopropyltoluene	11.993	119	110528	12.156	ug/l	99
87) 1,3-Dichlorobenzene	11.951	146	64818	12.819	ug/l	97
88) 1,4-Dichlorobenzene	12.024	146	63583	12.168	ug/l	96
89) n-Butylbenzene	12.317	91	98871	11.614	ug/l	100
90) Hexachloroethane	12.518	117	19179	10.335	ug/l	99
91) 1,2-Dichlorobenzene	12.317	146	61810	12.608	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.926	75	10123	11.995	ug/l	98
93) 1,2,4-Trichlorobenzene	13.566	180	36593	11.302	ug/l	98
94) Hexachlorobutadiene	13.707	225	14469	10.804	ug/l	95
95) Naphthalene	13.755	128	128100	14.959	ug/l	99
96) 1,2,3-Trichlorobenzene	13.938	180	35599	11.922	ug/l	99

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(#) = qualifier out of range (m) = manual integration (+) = signals summed

